

★SONY W04 98-367855/32 ★JP 10143899-A  
 Optical pick-up for optical disk drive - in which through hole formed on cover member of lens is opened or closed based on movement of objective lens towards or away from optical disk

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The optical pick-up has a chassis (1) on which an optical recording medium is mounted for reproducing an information signal recorded in the medium. An objective lens (15) condenses a light beam received from a light source which is provided on the recording surface of the medium. The objective lens is moved by a drive mechanism (37) and is housed inside a cover member (14). The light beam injected by the objective lens is passed via a through hole formed on the cover.

A shutter member (18) which opens or closes the through hole is movably supported on the cover member. The shutter member is supported by a slidable guide unit provided on the cover member. When the objective lens is moved away from the optical disk, the through hole is closed by a first contact member. When the objective lens is moved within the range of the optical disk, the through hole is opened by a second contact member.

ADVANTAGE - Prevents adhesion of dust to objective lens during non-usage.

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